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PRE-DEMOLITION SURVEY

Job #	650	Date:	12/10/2013
Job Name:	Kern Power Plant	Superintendent:	Alvaro Torres
Job Address:	2401 Coffee Rd Bakersfield	P.M.:	Rick Rockey

Purpose:

The purpose of this Pre Demolition Survey/risk assessment is to identify existing or potential hazards in the work to be performed. These risks may be associated with any number of factors which must be identified, analyzed, and mitigated. This includes any existing conditions in the work site, presented by the proposed work plan, or inherent in any equipment or materials introduced into the work site, which are unsanitary, hazardous, or dangerous.

Assessment:

Making a proper survey/risk assessment requires a thorough analysis of the worksite to anticipate and prevent any harmful occurrences. The following measures should be employed as part of an effective risk assessment program:

- Analyze existing, planned and new facilities, processes, materials, equipment and work methods.
- Conduct comprehensive onsite audit for safety and health, and any condition which will affect the safe completion of the work.
- Plan and prepare for emergencies.

Scope of work summary:

Removal of imploded boiler structure, which includes shearing up of boiler steel, torchcutting steam and mud drums, loading of misc piled steel and concrete, removal of underground electrical distribution vaults, removal of maintenance shed and foundations.

removal of Boiler slab, backfill and leveling of the site(there are other misc work items that are not listed.

Structure:

1. Is the structure safe from collapse?

The structure has been collapsed, but during the shearing process hazards will be created that will be gravity induced, and very dangerous, pretask plans will be implemented prior to the start of this task to ensure worker safety

2. Is shoring required?

Not at this time. As work progresses shoring needs will be evaluated on a daily basis

Utilities: What is the status of the following utility services? (live, abandoned, shut off, etc.)

Utilities have been disconnected from all sources. As this was done by a previous contractor all incoming services will be verified to be cold and dark and have an “air gap” separation.

Has USA been notified? No Not yet What is USA ticket number? _____

Gas: Terminated, need verification

Has the gas line been purged?

Yes, need verification

Electrical:

Yes, need verification

Domestic water:

Yes, need verification

Fire service:

Yes, need verification

Phone:

Yes, need verification

Cable:

Yes, need verification

Steam:

Steam did not enter the site, it was produced onsite but the boilers have been dismantled

Sewer:

Yes, need verification

Storm:

Storm channel is functioning and protected with SWPPP

Hazardous Materials:

1. Is asbestos present?

Potentially, the Plant was abated the there exists the potential of misc acm debris
that will be discovered

2. In what materials?

Most likely TSI(thermal systems insulation) containing Chrystotile Asbestos fibers

3. Will it be abated?

If discovered it will be abated by Certified and trained Abestos Workers

4. Are any suspect materials present that have not been tested?

No

5. What is the status of mercury light tubes, PCB ballasts?

These have all been removed

6. Is the soil contaminated or hazardous?

The soil has been tested, there is the possibility of hydrocarbon and Lead contamination, proper worker PPE will be in place to ensure against any worker exposure

7. Unexploded ordinance?

As this was an implosion job there exists the possibility of unexploded ordinance, it is critically important that extreme care be taken during the shearing of the boiler structure. A pretask plan will be issued to address specifically this issue. Ordinance if discovered will be immediately isolated, made inert by soaking in water, and returned to the blasting supplier.

Confined Spaces:

1. Is confined space work required on this job?

No confined space entrance is expected

2. During which activities?

N/A

Public Safety:

1. Are pedestrian barricades required?

NO

2. Is traffic control required?

Yes during trucking operations

3. Is scaffolding or netting required?

No

Access:

1. What is the primary access into the structure?

By foot it is at grade level

2. Are existing stairways adequate?

There are no stairs left the structure is collapsed